OIPE JC88
JUL 19 2004
PATENT & TRADEMARK OFFICE

IFW

PTO/SB/21 (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	10/735,123
Filing Date	December 12, 2003
First Named Inventor	Igor KELLER
Art Unit	2816
Examiner Name	Not Yet Assigned
Total Number of Pages in This Submission: 5 w/ 12 refs.	Attorney Docket Number: 188122000400

ENCLOSURES (*Check all that apply*)

- [ ] Fee Transmittal Form
- [ ] Fee Attached
- [ ] Amendment/Reply
- [ ] After Final
- [ ] Affidavits/declaration(s)
- [ ] Extension of Time Request
- [ ] Express Abandonment Request
- [x] **Information Disclosure Statement w/ Form PTO 1449 (4 pages)**
- [ ] Certified Copy of Priority Document(s)
- [ ] Response to Missing Parts/ Incomplete Application
- [ ] Response to Missing Parts under 37 CFR 1.52 or 1.53
- [ ] Drawing(s)
- [ ] Licensing-related Papers
- [ ] Petition
- [ ] Petition to Convert to a Provisional Application
- [ ] Power of Attorney, Revocation Change of Correspondence Address
- [ ] Terminal Disclaimer
- [ ] Request for Refund
- [ ] CD, Number of CD(s) _____
- [ ] After Allowance Communication to Group
- [ ] Appeal Communication to Board of Appeals and Interferences
- [ ] Appeal Communication to Group **(Appeal Notice, Brief, Reply Brief)**
- [ ] Proprietary Information
- [ ] Status Letter
- [x] **Other Enclosure(s) (please identify below):**

1. Copy of 12 Cited References
2. Return Receipt Postcard

Remarks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	MORRISON & FOERSTER LLP (Customer No. 20872) Stephen C. Durant - 31,506
Signature	
Date	July 14, 2004

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: July 15, 2004 Signature: (Leah M. Kjellén)

OIPE JC88 JUL 19 2004 PATENT & TRADEMARK OFFICE

PATENT
Docket No. 188122000400

CERTIFICATE OF MAILING BY "FIRST CLASS MAIL"

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450, on July 15, 2004.

Leah M. Kjellén

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Igor KELLER et al.

Serial No.: 10/735,123

Filing Date: December 12, 2003

For: ROBUST CALCULATION OF CROSSTALK DELAY CHANGE IN INTEGRATED CIRCUIT DESIGN

Examiner: Not Yet Assigned

Group Art Unit: 2816

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97 & 1.98

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. § 1.97 and § 1.98, Applicants submit for consideration in the above-identified application the documents listed on the attached Form PTO-1449. Copies of the documents are also submitted herewith. The Examiner is requested to make these documents of record.

This Information Disclosure Statement is submitted:

☐ With the application; accordingly, no fee or separate requirements are required.

☐ Before the mailing of a first Office Action after the filing of a Request for Continued Examination under § 1.114. However, if applicable, a certification under 37 C.F.R. § 1.97(e)(1) has been provided.

☒ Within three months of the application filing date or before mailing of a first Office Action on the merits; accordingly, no fee or separate requirements are required. However, if applicable, a certification under 37 C.F.R. § 1.97(e)(1) has been provided.

☐ After receipt of a first Office Action on the merits but before mailing of a final Office Action or Notice of Allowance.

- ☐ A fee is required. A check in the amount of __ is enclosed.
- ☐ A fee is required. Accordingly, a Fee Transmittal form (PTO/SB/17) is attached to this submission in duplicate.
- ☐ A Certification under 37 C.F.R. § 1.97(e) is provided above; accordingly; no fee is believed to be due.

☐ After mailing of a final Office Action or Notice of Allowance, but before payment of the issue fee.

- ☐ A Certification under 37 C.F.R. § 1.97(e) is provided above and a check in the amount of __ is enclosed.
- ☐ A Certification under 37 C.F.R. § 1.97(e) is provided above and a Fee Transmittal form (PTO/SB/17 is attached to this submission in duplicate.)

Applicants would appreciate the Examiner initialing and returning the Form PTO-1449, indicating that the information has been considered and made of record herein.

The information contained in this Information Disclosure Statement under 37 C.F.R. § 1.97 and § 1.98 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

In the unlikely event that the transmittal form is separated from this document and the Patent Office determines that an extension and/or other relief (such as payment of a fee under 37 C.F.R. §1.17(p)) is required, Applicants petition for any required relief including extensions of time and authorize the Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952** referencing **188122000400**. However, the Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Dated: July 14, 2004

Respectfully submitted,

By: _____

Stephen C. Durant
Registration No. 31,506

Morrison & Foerster LLP
425 Market Street
San Francisco, California 94105-2482
Telephone: (415) 268-6982
Facsimile: (415) 268-7522

Form PTO-1449

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

Docket Number 188122000400	Application Number 10/735,123
Applicant: Igor KELLER et al.	
Filing Date December 12, 2003	Group Art Unit 2816
Mailing Date July 15, 2004	

OIPE JC86 JUL 19 2004 PATENT & TRADEMARK OFFICE

U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate

FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES	Translation NO

OTHER DOCUMENTS *(including author, title, Date, Pertinent Pages, Etc.)*

Examiner Initials	Ref. No.	Title
	1.	R. Arunachalam et al., "TACO: Timing Analysis With COupling", ACM 2000, 4 pgs.
	2.	P. Chen et al., "Miller Factor for Gate-Level Coupling Delay Calculation", IEEE, International Conference on Computer Aided Design, 2000, 7 pgs.
	3.	J. F. Croix et al., "Blade and Razor: Cell and Interconnect Delay Analysis Using Current-Based Models", DAC June 2-6, 2003, Anaheim CA, pp. 386-389.
	4.	F. Dartu et al., "Calculating Worst-Case Gate Delay Due to Dominant Capacitance Coupling", DAC 97, Anaheim CA, 6 pgs.
	5.	P. D. Gross et al., "Determination of Worst-Case Aggressor Alignment for Delay Calculation", ACM 1998, pgs. 212-219.
	6.	I. Keller et al., "A robust cell-level crosstalk delay change analysis", 8 pgs.
	7.	I. Keller et al., "On a robust noise-on-delay cell-level analysis", 7 pgs.
	8.	A. Odabasioglu et al., "PRIMA: Passive Reduced-Order Interconnect Macromodeling Algorithm", IEEE Transactions on Computer Aided Design of Integrated Circuits and Systems, vol. 17, no.8, Aug. 1998, pgs. 645-654.
	9.	V. Raghavan et al., "AWESpice: A General Tool for the Accurate and Efficient Simulation of Interconnect Problems", 29th ACM/IEEE Design Automation Conference, paper 6.3, 1992, pgs. 87-92.
	10.	K. Shepard, "Design Methodologies for Noise in Digital Integrated Circuits", 35th Design Automation Conference, ACM 1998, 6 pgs.
	11.	S. Sirichotiyakul et al., "Driver Modeling and Alignment for Worst-Case Delay Noise", IEEE Trans. on Very Large Scale Integration v. 11, no. 2, April 2003, 6 pgs.
	12.	V. Zolotov et al., "Noise Propagation and Failure Criteria for VLSI Designs", IEEE 2002, 8 pgs.

EXAMINER:	DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.